

7. Iron, Manganese, boron, zinc, copper etc. are nutrients.
Ans : Micro
8. Farm animals require proper care and management such as shelter, feeding, breeding and disease control. This is called
Ans : Animal husbandry
9. is growing of two or more crops simultaneously on the same piece of land.
Ans : Mixed cropping
10. The growing of different crops on a piece of land in preplanned succession is called
Ans : Crop rotation
11. Method of cross-breeding between two generically dissimilar individuals is called as
Ans : Hybridization
12. The practice of ploughing green legume-bearing plants into the soil for improving its fertility is called
Ans : Green manuring
13. Rice, maize, bajra and groundnut are crops.
Ans : Kharif
14. A process of preparing compost by the help of earthworms, is called
Ans : Vermicomposting
15. A legume crop does not require fertilizer.
Ans : Nitrogen
6. The yield of crop is greater in organic farming.
Ans : False
The yield of crop is greater in fertilizer farming.
7. Manures are commercially produced plant nutrients.
Ans : False
Manures are produced by organic.
8. Vermicompost is better than compost.
Ans : True
9. The cross between genetically dissimilar plants is called hybridization.
Ans : True
10. Chemicals which can exist in a gaseous state in sufficient concentration to be lethal against pests are called fumigants.
Ans : True
11. Weeds increase the yield of the crop.
Ans : False
Weeds decrease the yield of the crop.
12. Rust and smut of wheat are caused by bacteria.
Ans : False
Rust and smut of wheat are caused by fungi.
13. 2, 4D is one of the most common weedicides used in India.
Ans : True
14. Our population will be about 1.34 billion by the year 2020.
Ans : True
15. Marine fish capture is done by fishing nets guided by echo sounders and satellites.
Ans : True

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3. TRUE/FALSE

1. Fish may be obtained from marine and inland resources.
Ans : True
2. Crops are plants grown in large quantities for food and other needs.
Ans : True
3. To increase production of fish, they can be cultured in marine and inland ecosystems.
Ans : True
4. Chana, urad, moong and matar are cereal crops.
Ans : False
Chana, urad, moong and matar are pulse crops.
5. Micronutrients are needed by plants in large quantities.
Ans : False
Micronutrients are needed by plants in small quantities.
16. Crops are plants grown by man in a field.
Ans : True
17. Rabi crops are grown in rainy season.
Ans : False
Rabi crops are grown in winter.
18. Hybrid is an individual or a variety obtained by cross-breeding two genetically dissimilar plants or animals.
Ans : True
19. Poultry farming is done to raise domestic fowls.
Ans : True
20. Kharif crops are grown in winter season.
Ans : False
Kharif crops are grown in rainy season.

4. MATCHING QUESTIONS

DIRECTION : Each question contains statements given in two columns which have to be matched. Statements (A, B, C, D) in column-I have to be matched with statements (p, q, r, s) in column II.

1.

| Column I | | Column II | |
|----------|----------------|-----------|------------|
| (A) | Micronutrient | (p) | Soyabean |
| (B) | Kharif crop | (q) | Bee |
| (C) | Rabi crop | (r) | Wheat |
| (D) | Apis mellifera | (s) | Molybdenum |

| | A | B | C | D |
|-----|---|---|---|---|
| (a) | s | p | r | q |
| (b) | s | p | q | r |
| (c) | q | p | s | r |
| (d) | r | s | q | p |

Ans : (a) A-s, B-p, C-r, D-q

2.

| Column I | | Column II (incubation period) | |
|----------|------------|----------------------------------|----------|
| (A) | Ploughing | (p) | Cow dung |
| (B) | Manure | (q) | Plough |
| (C) | Irrigation | (r) | Khurpi |
| (D) | Weeding | (s) | Dhekli |

| | A | B | C | D |
|-----|---|---|---|---|
| (a) | s | p | r | q |
| (b) | s | p | q | r |
| (c) | q | p | s | r |
| (d) | r | s | q | p |

Ans : (c) A-q, B-p, C-s, D-r

3.

| Column I | | Column II | |
|----------|-------------|-----------|--------------------------|
| (A) | Urea | (p) | Harvesting and threshing |
| (B) | Combine | (q) | Sowing of seeds |
| (C) | Seed drills | (r) | Sprinklers |
| (D) | Irrigation | (s) | Fertilizers |

| | A | B | C | D |
|-----|---|---|---|---|
| (a) | s | p | r | q |
| (b) | s | p | q | r |
| (c) | q | p | s | r |

| | A | B | C | D |
|-----|---|---|---|---|
| (d) | r | s | q | p |

Ans : (b) A-s, B-p, C-q, D-r

4.

| Column I | | Column II | |
|----------|------------------|-----------|--------------|
| (A) | Marine fish | (p) | Carp culture |
| (B) | Fresh water fish | (q) | Apiculture |
| (C) | Bee keeping | (r) | Mariculture |
| (D) | Composite fish | (s) | Aquaculture |

| | A | B | C | D |
|-----|---|---|---|---|
| (a) | s | p | r | q |
| (b) | s | p | q | r |
| (c) | q | p | s | r |
| (d) | r | s | q | p |

Ans : (d) A-r, B-s, C-q, D-p

5.

| Column I | | Column II | |
|----------|-------------------|-----------|-----------------|
| (A) | Green revolution | (p) | Pulses |
| (B) | Blue revolution | (q) | Food grains |
| (C) | Yellow revolution | (r) | Fish production |
| (D) | Golden revolution | (s) | Oil seeds |

| | A | B | C | D |
|-----|---|---|---|---|
| (a) | q | r | s | p |
| (b) | p | q | r | s |
| (c) | s | p | q | r |
| (d) | r | s | q | p |

Ans : (a) A-q, B-r, C-s, D-p

5. ASSERTION AND REASON

DIRECTION : In each of the following questions, a statement of Assertion is given and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:

- (a) Both assertion and reason are true and reason is the correct explanation of assertion.
- (b) Both assertion and reason are true but reason is not the correct explanation of assertion.
- (c) Assertion is true but reason is false.
- (d) Both Assertion and Reason are false.

1. **Assertion :** Inter cropping prevents pests.

Reason : Plant pests can be controlled biologically by their natural parasites and pathogens.

Ans : (b) Both assertion and reason are true but reason is not the correct explanation of assertion.

Inter cropping keeps the population of insects at low level. In inter cropping, the pest-susceptible crop is grown along with other crops which are repellent to pests. Plant pests are controlled biologically through the means of their natural parasites and pathogens. For example, *Bacillus thuringiensis* can control cotton bollworm.

2. Assertion : Large schools of fish are located using radio signals.

Reason : Radio signals help in increasing the fish yield.

Ans : (d) Both Assertion and Reason are false.

Large schools of fish are located using satellites and echo-sounders. This helps in increasing the yield as large number of fish can be caught at the same time. Radio signals are not used for catching fish.

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3. Assertion : Fish and few other varieties of aquatic animals are used as food.

Reason : Fish and other varieties of sea food constitute good source of protein.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Fish and other sea foods are used as food by a large section of the population, particularly by those living in coastal areas. Fish and sea food contain large amounts or protein.

4. Assertion : Usage of manure is advantageous for our environment.

Reason : Manure contains chemical substances like nitrogen, phosphorus and potassium.

Ans : (c) Assertion is true but reason is false.

Usage of manure is advantageous for our environment as manure contains large quantities of organic matter. It is prepared by decomposition of animal excreta and plant wastes. It helps in enriching the soil with nutrients and organic matter, increasing soil fertility and its water holding capacity. Manure do not contain chemical substances. Fertilizers contain chemical substances like nitrogen, phosphorus and potassium.

5. Assertion : Proper cleaning for cows and buffaloes is required.

Reason : Proper cleaning maintains the health of animals and also helps in clean milk production.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Animals like cows and buffaloes require proper and regular cleaning to remove dirt and loose hair present on their body. This helps in maintaining the health of the animal and also helps in obtaining clean milk from them.

6. Assertion : To replenish the lost nutrients in the soil, quick acting, handy nutrients are applied in the form of fertilizers.

Reason : Chemical fertilizer contains the necessary plant nutrients.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Fertilizers are inorganic or organic compounds

containing one or more essential plant nutrients which are used for increasing the fertility of soil. They are manufactured commercially from chemicals and are marketed in concentrated form.

7. Assertion : Fungicides act against fungal pathogens.

Reason : Fungicides are not harmful to human beings.

Ans : (c) Assertion is true but reason is false.

Fungicides are chemicals which are effective against fungal pathogens. Fungicides are divided into two major types, inorganic and organic. Most inorganic fungicides are harmful to other living beings including humans.

8. Assertion : Honey bees are nuisance to farmers.

Reason : Bees destroy the crops to fulfil their nutritional requirements.

Ans : (d) Both Assertion and Reason are false.

Honey bees help farmers as they are pollinators of many crop species. Bees do not destroy the crops rather suck the nectar from the flower and make honey from it which is food for them.

9. Assertion : Vaccinations are given to farm animals.

Reason : Vaccinations protect the farm animals from a number of diseases caused due to virus and bacteria.

Ans : (a) Both assertion and reason are true and reason is the correct explanation of assertion.

Farm animals are given vaccinations to protect them from major viral and bacterial diseases, which can even cause death of animals.

10. Assertion : Fumigation of the grains using chemicals is done before storage in warehouses.

Reason : Fumigation gives a nice colour to the grains.

Ans : (c) Assertion is true but reason is false.

Fumigation of the grains using chemicals is done before storage in warehouses to protect them from pests like insects, rodents, fungi, mites and bacteria. It does not give a nice colour to the grains.

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